



Saras™ Test and Assessment

Smart, Secure and Scalable

platform for your evolving assessment needs



e-Assessment
Awards 2023

WINNER

Saras™ Test and Assessment

A comprehensive Test and Assessment platform that enables educators and assessment companies to manage and deliver assessments in an effective and cost efficient manner over a variety of assessment models.

Saras™ leverages AI to uphold assessment standards, ensure test integrity, offer in-depth performance analysis, and overcome infrastructure limitations.

23+ years

Industry Leadership

30+ Million

Learners Accessing Tests Annually

1.8+ Billion

Test Submissions Annually

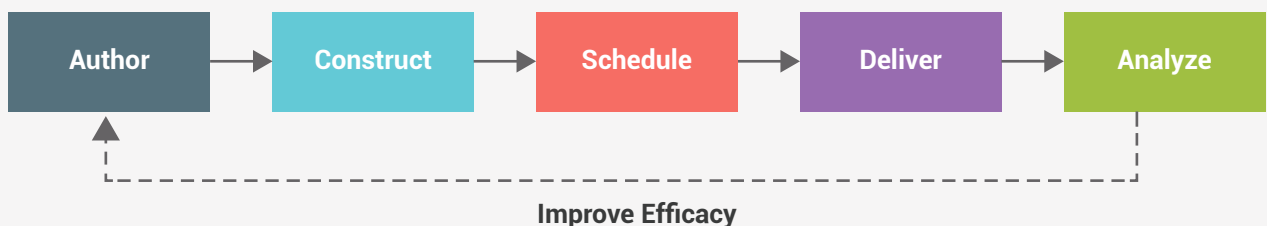
3+ Million

High-stakes Test Submissions Annually

200+

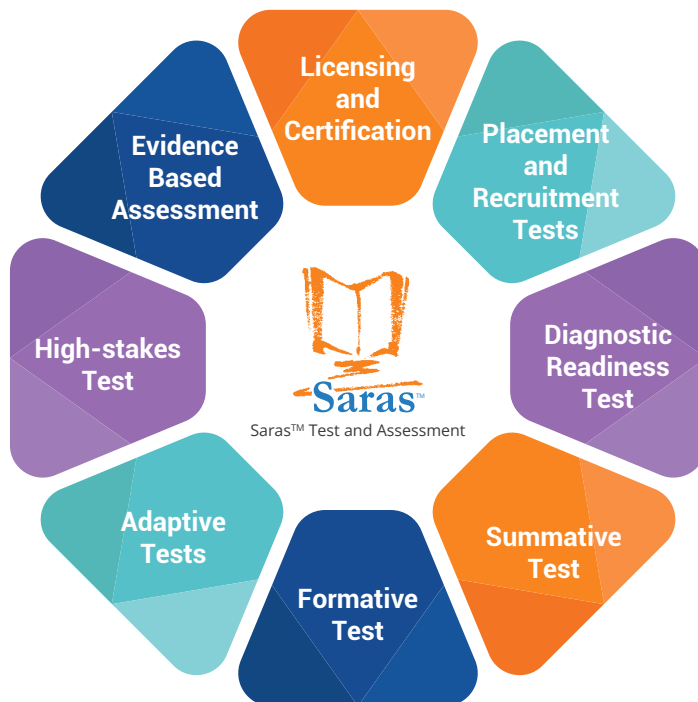
Satisfied Customers

Empowering educators and assessment companies to manage the entire assessment lifecycle effectively using AI assistance.



Assessment Models

Saras™ comprehensive set of functionalities combined with configurability in test construction and delivery mechanism enables our customers to cater to a variety of assessment models.



Comprehensive

Provides exhaustive item and test management functionalities and supports online, offline, as well as paper-based test delivery.



Smart

Supports AI-assisted Authoring and Testing, Computer Adaptive Tests (CAT), remediation and Item Response Theory (IRT) based analytics.



Secure

Supports multi-factor authentication, lock-down browser, proctoring and monitoring.



Reliable

Optimized for cloud and has been tested for high-concurrency of 30,000+.

Assessment Lifecycle

Customers choose Saras™ Test and Assessment due to the breadth as well as depth of features and functionalities that it offers across the entire assessment lifecycle.

1

Item Authoring and Banking

- 30+ simple and complex item types like advanced math items, viva voce items, etc.
- AI-Assisted item, distractor, and test generation
- Online and offline authoring
- Collaborative workflows
- Structured banking with digital assets and extensible meta data
- AI-Assisted Meta-data tagging and item trait detection

2

Test Construction and Scheduling

- Item selection - manual, random, template-based
- Test structure and preferences
- Grade schemes
- Test scheduling preferences
- Smart and dynamic test scheduling
- Test center management
- Test registration and logistics

3

Test Delivery

- Delivery on PCs, Macs, tablets, and smartphones
- Online, offline, and standalone
- Paper-based assessments
- SMART dynamic items
- Adaptive tests
- SMART stability
- AI-Assisted infrastructure optimization

4

Test Monitoring

- Secure browser
- Real-time test monitoring
- On-premises and remote proctoring
- AI-assisted screening
- Augmented proctoring
- AI-Assisted automated proctoring
- SMART content blurring for proctors
- AI-assisted proctor mapping

5

Scoring and Evaluation

- Auto-scoring of written responses
- Auto-scoring of spoken responses
- Auto-scoring of programming responses
- Manual marking for subjective questions and oral tests
- SMART Evaluator Mapping

6

Reporting and Analytics

- Rich reporting dashboard
- Detailed audit trail
- Assessment overview, score list, transcript, grade report
- Outcome-based performance analysis
- IRT based item and test calibration
- IRT enabled psychometric analysis

Other Highlights

Paper-based Assessments

- Eliminates dependency on proprietary equipment and supplies
- Provides flexibility to use Mobile App for scanning bubble sheets
- Supports processing of more than 250,000 bubble sheet scans in less than 24 hours
- Streamlines complex and tedious testing process
- Comprehensive Analysis reports

IRT Analytics

Saras™ incorporates Item Response Theory (IRT) based item and test calibration and psychometric analysis. This enables our customers to deliver assessments that are consistent, reliable, and adaptive.

Proctoring Solutions



Online Image-based



Offline Video-based



Online Video-based



Saras™ empowers educators and assessment companies to cater to their unique assessment needs

Benefits

- **Comprehensive:** With end-to-end assessment lifecycle functionalities built on a modular architecture, Saras™ addresses distinctive needs of educators and assessment companies.
- **Future-ready:** Leveraging AI capabilities, Saras™ has been reshaping assessment solutions to meet the demands of the rapidly evolving educational landscape.
- **Aligns to evolving assessment models:** Saras™ flexible and configurable design, combined with constant product innovation aligns with the customer needs and caters to the ever evolving assessment models.
- **Ensures test efficacy:** IRT based reporting and analytics ensures test consistency, reliability, and efficacy.
- **Secure and reliable:** Inbuilt security features, detailed audit trails, and support for proctoring and monitoring ensure secure and reliable test delivery.
- **Cost effective:** Saras™ helps achieve cost and administrative efficiencies while managing and conducting assessments.

Architecture and Design

Saras™ is built upon SOA/Microservices based architecture that provides flexibility, scalability, and extensibility to cater to the current and future assessment needs of our customers. Standards such as Question and Test Interoperability (QTI) and Learning Tools Interoperability (LTI) ensure that Saras™ is interoperable with existing technology landscape of our customers to provide a seamless end-user experience. Various security measures combined with a scalable, high-performance architecture, ensure reliable delivery of tests for an ever increasing number of test-takers.



Modular



Scalable



Standards Compliant
(QTI, LTI)



Interoperable



Responsive



Deployment Models
(Centralized, Distributed, Hybrid)



Test Center Readiness

A secure USB device based standalone set-up significantly reduces the time for test center readiness by eliminating complex set-up procedures, need for dry runs, and tedious security audits.



Multilingual

Unicode based design that supports multiple languages, including right-to-left. This ensures that tests can be authored and delivered in multiple languages.



Multi-factor Authentication

Accommodates biometrics and other security protocols for candidate verification.



Optimized Test Delivery

For low bandwidth and flaky network scenarios, particularly useful in developing markets.

Professional Services

With a combination of technology and eLearning domain expertise, Excelsoft aligns with the unique business goals of our customers to help them design, develop, and implement the right assessment strategy on top of Saras™ Test and Assessment platform. Our professional services include:

- Assessment strategy and consulting services
- Product customization and integrations
- Item and test development services
- Infrastructure and hosting services
- Maintenances and support services



Excelsoft provides innovative technology-based solutions catering to the needs of corporations, educational publishers, schools, universities, government, and defense sectors. We architect, design, and develop learning environments, assessment tools, digital content, and product solutions for some of the best-known companies and academic institutions worldwide.

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